



Sault Area Public Schools  
*A Great Place to Learn*



INFORMATION TECHNOLOGY

# PATHWAY

ACADEMIC AND CAREER PLANNING

# Pathway to Success

## Information Technology



A career in Information Technology offers the opportunity to drive innovation and improve the way we live and work. With a wide range of career paths, from software development to network administration and cybersecurity, this field blends technical skills, problem-solving, and a passion for advancing technology to shape the future of businesses and everyday life.

### Career Options

Explore and discover potential career options in the fields related to Information Technology.

---

### Degree, Certification, and Training Options

Explore the degrees, certifications and training options that are available to help you be successful in the fields related to Information Technology.

---

### Course/CTE Options

Explore the course and program options that are available to students while still in high school to help them prepare for a career in Information Technology.

---

### Resume Builders

Explore the possible experiences that will help build a strong resume.

# Career Options Information technology

---

There are several ways to start a career in Information Technology. The quickest option is on-the-job training, where employees learn by doing and gain hands-on experience. Another pathway is earning a certification, which typically takes a few months to a year and focuses on specific technologies or skills. For those seeking a more in-depth education, a college degree can take 2 to 4 years and provides a solid foundation in computer science and IT principles. Below are a few examples of options for each pathway, though this list is not exhaustive.

## 01 Jobs That Require On-The-Job Training

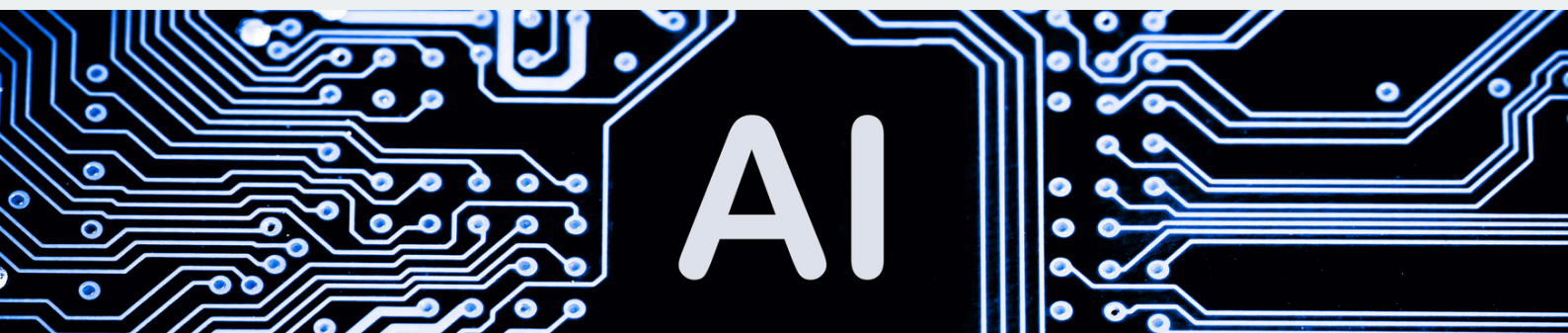
- IT Support Specialist
  - Help desk Technician
  - Computer Technician
  - Support Technician
  - Systems Administrative Assistant
- 

## 02 Jobs that Require a Certification

- Network Administrator
  - Cybersecurity Analyst
  - Project Manager
  - Computer Programmer
  - Network Engineer
- 

## 03 Jobs That Require A Degree

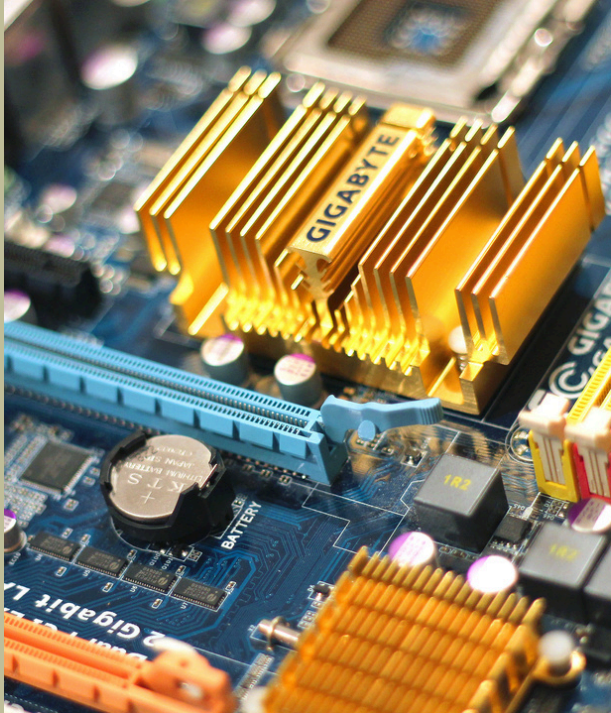
- |                                 |                             |
|---------------------------------|-----------------------------|
| • Software developer            | • game Developer            |
| • Data Scientist                | • IT Director               |
| • Database Administrator        | • Computer Forensics Expert |
| • Web Developer                 |                             |
| • Business Intelligence Analyst |                             |





# Finding On-The-Job Training

Information Technology



On-the-job training is an excellent way to begin a career in Information Technology, allowing you to develop essential skills while gaining real-world experience. This hands-on training is often tailored to the specific role, providing you with practical knowledge right from the start. Many employers in IT, such as tech companies, startups, and service providers, offer on-the-job training. To find these opportunities, check local job listings, visit company websites, or contact industry associations that can connect you with employers offering this type of training.

## Resources

### **Michigan Works**

Michigan Works has resources that can help locate available jobs and aide in your necessary training.

1118 East Easterday Avenue

Sault Ste. Marie, MI 49783

Phone: (906) 635-1752

Fax: (906) 635-0115

Michigan Relay Center 711

Monday through Friday: 8-5 EST

### **Indeed**

Indeed is a great tool to search for available jobs in your area.

# Information Technology

## Obtaining a Certificate

### Certificate Programs

#### Mott Community College

[Computer Networking  
Technology - certificate](#)

[Computer Programming - Certificate](#)

[Computer Repair Technician - Certificate](#)

[Computer Science - Certificate](#)

[Computer Security - Certificate](#)

[Computer Support Services and  
Help Desk - Certificate](#)

Certificate programs in Information Technology (IT) provide specialized training that can be completed within a few months to a year. These programs equip you with valuable skills and credentials that can enhance your career prospects. Certificate programs are available at community colleges, technical schools, and through online platforms. Additionally, many industry organizations offer certifications in areas such as cybersecurity, data management, software development, and network administration. To explore available options, check local educational institutions, online learning platforms, or professional associations related to IT.

# Information Technology

## Obtaining a Degree

### Bachelor/Associate Degrees

#### Lake Superior State University

[Computer Engineering - Bachelor](#)

[Computer Networking - Bachelor](#)

[Computer Science - Bachelor](#)

[CyberSecurity - Bachelor](#)

[Data Science - Bachelor](#)

#### Baker College

[Computer Science - Bachelor](#)

[Computer Programming - Bachelor](#)

[Data analytics - Bachelor](#)

[Game Software Development - Bachelor](#)

[Information Systems - Baker](#)

[Information Technology &  
Cybersecurity - Bachelor](#)

#### Mott Community College

[Computer Information Systems - Associate](#)

[Computer Networking & Cybersecurity - Associate](#)

[Data Analytics - Associate](#)

[Information Technology - Associate](#)

Degree programs in Information Technology (IT) offer comprehensive knowledge and training, typically taking four to six years to complete. These programs cover a wide range of topics, including software development, network security, data analytics, and system administration, and can lead to advanced career opportunities. Degree programs are available at universities, colleges, and specialized institutions, with options for both on-campus and online learning. Many schools offer bachelor's and master's degrees in fields like computer science, information systems, and cybersecurity. To explore options, visit university websites, consult academic advisors, or research programs through professional IT organizations.

# Courses/CTE Options

## Information Technology

Plan your schedule with your future goals in mind by exploring common courses, AP courses, CTE programs, and opportunities to earn college credit while still in high school.

---



### Sault High Courses

- Career Readiness
- Computer Science
- Honors Chemistry
- Honors English
- Honors Math



---

### AP Courses

- AP Computer Science



---

### CTE Programs

- Digital Business.



---

### Dual/Concurrent Enrollment

- Related options can be talked about with your Counselor or visits the information page [HERE](#).

---

See Sault High School Full [Course Offerings](#).

# Resume Builders

## **Job Shadow Experiences**

Students who engage in job shadow experiences show proven interest in their future and dedication to their success. If you have questions about job shadowing or want help finding an opportunity, contact the MTSS Coordinator.

---

## **Intern/Externships**

Internships and externships provide valuable opportunities for high school students to gain real-world experience, develop new skills, and explore potential career paths. These experiences can significantly benefit students, both professionally and personally.

---

## **Leadership Positions**

Holding Leadership Positions shows dedication and passion by the student. It also can be a look into the students hobbies.

---

## **Student Organizations**

Joining Student Organizations shows a balance in priorities. Please see the Sault Ste Marie **Student Organizations** to find an organization to join!

---

## **Volunteer Experiences**

Volunteering is a great way to get experience and explore post-secondary options.

---